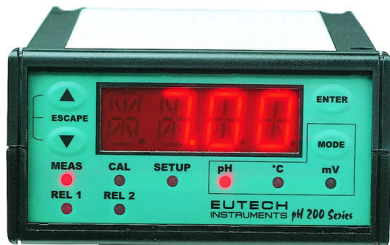




alpha pH 200



Product Features

- v User-Customisation through Scrolling Menu, 14-Segment LED - intuitive user interface guides user easily through setup functions
- v Symmetrical Mode Operation eliminates electronic noise problems when used with solution ground
- v Galvanically Isolated 4-20 mA Output for remote monitoring or hardcopy recording
- v Universal Power Supply Input from 85 to 250 VAC/DC allows use at multiple sites and withstands voltage fluctuations
- v Two Level Password Protection prevents un authorized tampering with settings
- v Automatic Temperature Compensation with 3-wire Pt 100 system ensures accurate readings under fluctuating temperatures
- v Adjustable Hysteresis (Dead Band) prevents rapid contact switching near set point
- v Non-Volatile Memory retains all stored parameters and calibration data even if power fails
- v Easy Installation and Wiring with detachable plug-in connectors

Applications

General: Ideal for virtually any batch type application where pH or ORP control or adjustment is needed. Use as ORP monitor for ozone systems and general purpose pH monitor for all types of water treatment and chemical processes.

Aquaculture: Use for pH or ORP control in fish ponds and tanks.

Industrial: Use to treat batches of incoming process water, rinse water treatment, recirculating system and wastewater treatment. Suitable for pH or ORP control of plating tanks and chemical processing tanks. Ideal for low cost monitor with alarms for batch and process applications. Perfect for wastewater neutralization in small and medium sized batches.



Specifications

Product Specification	Description
pH Range	0.00 to 14.00 pH
Resolution & Accuracy	0.01 pH & ± 0.01 pH
mV Range	-999 to 1000 mV
Resolution & Accuracy	1/ ± 2 mV
Temperature Range	-10 to 110 °C
Resolution & Relative Accuracy	0.1 °C & ± 0.5 °C
Temperature Sensor	Pt 100 (3-wire)
Temperature Compensation	Auto / Manual (0 °C to 100 °C)
Set Point and Controller Functions	
Function	Limit Control
Switching pH/ORP Hysteresis	0.00 to 2.00 pH or 0 to 300 mV
Contact Outputs, Controller	2 SPDT relays
Switching Voltage/ Current/ Power	Max 250 VAC/ Max 3A/ Max 600 VA
Electrical Data and Connections	
Power Requirement	85 to 260 VAC, 50/60 Hz or DC
Signal Output/ Load	4-20mA galvanically isolated / 200 Ω
pH/ORP Input	BNC (10 ¹² Ω Impedence)
Connection Terminals	3 detachable connectors (3-pin; 7-pin & 9-pin terminal blocks)
Main Fuse	250mA, Anti-surge (BUSSMAN S504 + 250mA)
Environmental Conditions	
Maximum Relative Humidity	80% up to 31 °C decreasing linearly to 50% at 40 °C
Ambient Temp. Operating Range	-10 to 50 °C (14 °F to 122 °F)
Mechanical Specifications	
Dimensions	96 x 48 x 150 mm
Weights	300 g (boxed)